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(54) Title: PROCESS

(57) Abstract: A process for the preparation of an olefin homopolymer or copolymer comprising polymerising at least one C₂₋₂₀-α-olefin in slurry phase in the presence of 1) a metallocene compound of formula I: (Cp)(Cp'')R_nMX₂ (I) wherein: Cp is an optionally substituted and/or optionally fused homo- or heterocyclopentadienyl ligand; Cp'' is a cyclopentadienyl substituted by at least one C₁₋₂₀-alkyl group; R is a bridge of 1-7 bridging atoms; M is a group 4 to 6 transition metal; each X is -CH₂-Y, wherein Y is C₆₋₂₀-aryl, C₆₋₂₀ heteroaryl, C₁₋₂₀-alkoxy, C₆₋₂₀-aryloxy, -NR'₂, -SR', -PR'₃, -SiR'₃, -OSiR'₃ or halogen; R' is C₁₋₂₀-hydrocarbyl or in case of -NR'₂, the two substituents R' can form a ring together with the nitrogen atom wherein they are attached to; and each non-cyclopentadienyl ring moiety can further be substituted; n is 0 or 1; and (II) an aluminoxane.

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